

19980617.ba v02\_n095.bam.980617

>From ???@??? Thu Jun 18 00:14:06 1998  
Message-Id: <199806180209.VAA04169@sco.theporch.com>  
Date: Wed, 17 Jun 1998 21:08:32 CDT  
Subject: BOATANCHORS digest 2095

BOATANCHORS Digest 2095

Topics covered in this issue include:

- 1) Re: CE-100V Power Switch!  
by Henry van Cleef <vancleef@netcom.com>
- 2) Bugle Boys?  
by "Steve" <scb@mail.internettport.net>
- 3) lost in cyberspace . . .  
by eaj@hiwaay.net
- 4) HAManuals CDs (e-mail address)  
by "JOSE V.GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 5) Re: CPRC-26 Questions  
by Dave Prince <davprin@gil.com.au>
- 6) Re: Grounds,  
by Tom Norris <badger@telalink.net>
- 7) Aluminium Corrosion  
by Dave Prince <davprin@gil.com.au>
- 8) OS8s  
by laffitte@prtc.net (laffitte)
- 9) FS: EICO 360 TV-FM Sweep Signal Generator  
by "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENET.dec.com>
- 10) Electronics Illustrated Wanted  
by jkh@lexis-nexis.com (John Heck)
- 11) Re: Bugle Boys?  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 12) Re: Bugle Boys?  
by Bill Hawkins <bill@iaxs.net>
- 13) RE: Bugle Boys?  
by "Laudon, Kenneth (Kalman) A." <klaudon@pica.army.mil>
- 14) Drake SF4 -- Howzit work?  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 15) Whoops! That's FS4, not SF..  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 16) Re: Bugle Boys?  
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 17) Re OSC on low side  
by philip mccoey <dgnova@erols.com>
- 18) FS T-368 Exciter  
by lema <lema@InfoAve.Net>
- 19) Eico 950B Info Requested

by "Schroeder,Russell G" <Russell\_Schroeder@xn.xerox.com>  
20) WTB MIL PE-120 PS  
by jackiv@juno.com (John M Iverson)  
21) WTB SAM'S AR BOOKS  
by jackiv@juno.com (John M Iverson)  
22) Eddystone 1002/1 FS  
by BEN NOCK <G4BXD@compuserve.com>  
23) German spy set find  
by BEN NOCK <G4BXD@compuserve.com>  
24) RE T368 exciter for sale  
by lema <lema@InfoAve.Net>  
25) RE: Simpson 260  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
26) Frequency synthesis.....hmmmmmm  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
27) Re: ::: QUESTION ABOUT THE OLD ALLIED RADIO :::  
by Norm Flasch <flasch@cushy.ece.nwu.edu>  
28) Re: Simpson 260  
by Doug Gordon <dmgordon@pacbell.net>  
29) D & A pdx-400  
by "Doug Obenchain" <dobencha@netusa1.net>  
30) twist lock plugs  
by "Benjamin D. Hall" <kd5byb@WT.NET>  
31) Old Heath Receipt  
by don merz <71333.144@compuserve.com>

-----  
From: Henry van Cleef <vancleef@netcom.com>  
Message-Id: <199806170455.VAA23706@netcom10.netcom.com>  
Subject: Re: CE-100V Power Switch!  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Tue, 16 Jun 1998 22:55:34 -0600 (MDT)  
Cc: boatanchors@theporch.com  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

As John R Bookout K7JB discourses

>

> When I use the 100 V's ON/OFF power switch to power it down, the 8 Amp  
> line fuse opens! This is something recent. I noticed that a large arc  
> and slight pop was associated with turning the 100V power switch OFF.

>

> So why does it take out the line fuse when using only the 100 V's power  
> switch?

>

(much snippage above)

I suspect that the fault is in the switch itself. Sounds as though you are getting a momentary short while the switch is operating.

--

=====  
Hank van Cleef  
=====

-----  
Message-Id: <199806170523.AAA00755@loki.internettport.net>  
From: "Steve" <scb@mail.internettport.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 17 Jun 1998 00:02:16 +0000  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: Bugle Boys?  
CC: boatanchors@theporch.com

Hi There;

I keep seeing reference to "Bugle Boy" tubes here. Never heard of 'em, what are they? Relables of whatever is/was available like the Richardsons? I have some hollow state audio stuff around here that I keep alive out of a cache of Telefunken, Amperex, and Mullard crossheads as well as some old stock of \$2 N.I.B. Tungstrams and thought I was familiar with the good stuff. I use JAN surplus, Tesla (EL34) and Sovtek or Svetlana (6L6/5881) otherwise when necessary. After talking an old bud w/ EIMAC that consulted the Chinese at their tube factory(don't know which one), I won't take those for free! He just couldn't make the beurocrats understand the concept of quality control.

Thanx; Steve

-----  
From: eaj@hiwaay.net  
Message-ID: <35877064.6C6E@hiwaay.net>  
Date: Wed, 17 Jun 1998 00:29:40 -0700  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: lost in cyberspace . . .  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

More on the gone but not forgotten - I was dickering with someone on a fair-condx TCS Rx. Who was it? And why did I throw the hard-copy away?!

N4TGC Eric

-----

Message-Id: <3.0.1.32.19980617115028.006b1a88@192.168.0.1>  
Date: Wed, 17 Jun 1998 11:50:28 +0200  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V.GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: HAManuals CDs (e-mail address)  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello gang,

As I received some queries about an e-mail address to buy the HAManuals CDs, here you have it:

"Turini, Bill" <turinib@wdni.com>

Best regards.

JOSE

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\* VISIT MY VINTAGE RADIO SITE - updated 7-Jun-1998 \*\*\*  
<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

-----  
Message-ID: <3587AC9E.65A721D2@gil.com.au>  
Date: Wed, 17 Jun 1998 21:46:39 +1000  
From: Dave Prince <davprin@gil.com.au>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: CPRC-26 Questions  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jerry Proc wrote:

> Dear BA'ers,  
>  
> Over the weekend, I inspected three CPRC26 handheld radios to see if  
> there was any possibility of getting one of these brought back to life.  
> I was especially interested in knowing if crystals were still  
> installed. To my surprise, one set had a 44.6 Mhz crystal. The other,

> had five crystals in the range of 45.7 to 46.7 Mhz. Now the plot  
> thickens. The frequency range of the set is 47 to 55.4 Mhz. In Canadian  
> Army issue, crystals in the range of 50 to 54 Mhz were the norm.

G'day All,

FYI, the Australian Army used the "D" version (yellow disk)  
of the CPRC-26's. All six frequencies in the Oz sets were in the 50 to 51  
MHz segment. The equivalent set made in England was the A-40.

Dave Prince VK4KDP      Brisbane, Queensland, Australia  
davprin@gil.com.au  
<http://www.home.gil.com.au/~davprin>

Collector and restorer of Military Radio, Signalling Equipment and  
WW2 Canadian Military Pattern (CMP) Vehicles.

-----  
Message-Id: <3.0.5.32.19980617065532.00891bd0@mail1.telalink.net>  
Date: Wed, 17 Jun 1998 06:55:32 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: Re: Grounds,  
Cc: r-390@qth.net, boatanchors@theporch.com  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This is part of a grounding thread on the 390 list, and figured it was  
relevant  
to all of us. Bobbi can correct any errors I may have made in my haste  
to type this just before zooming out the door to head for work. :-)

[ portion of thread -- edited]

>According to the national electrical code, all grounds are to be  
>permanently strapped together.  
>

>I prefer to keep my RF grounds separated from the power grounds except  
>when using the radio. At all other times, and especially during  
>lightening I prefer the radio RF ground (attached to the tower) (and ALL  
>antenna leads) to be ISOLATED from both the radios and the power  
>grounds. And when I isolate them, I make sure there is at least an 8"  
>air gap as part of that isolation. I've been hit with less of an air gap  
>and lost lots of stuff.

A few additions to equipment grounding. I do this as a living, or as part  
of my

job as a Radio Tech for the State of Tennessee Emergency Management. When bonding wire to your ground rods, there is a wonderful product called Cadweld that is available at most larger electrical contractor supplies, the easiest to use is called a "One Shot" and simply slips over your ground rod, you then insert your wire to be bonded, assemble the "incendinary charge" as per the instructions, light with a propane torch, and step back. In a minute you have a welded connection to the ground rod. The One Shot comes in several configurations for attaching multiple wires to a rod, and is available in several sizes for the various common sizes of ground rod.

We do tie our grounds together outside. It lets the whole building "rise and fall" with the lightning EMP at one level, eliminating voltage diferentials between pieces of gear that can cause damage. On the outside of the building we pretty much drive a ground rod every ten feet, and at the mid points and corners we run a radial or two perpendicular to the building, with an extra rod at the end of the radial if the soil is not that conductive. All the perimeter rods are ties together with bare # 4 solid wire for even more contact with the earth.

Once the ground enters the building, it goes to a "halo" around the perimeter of the ceiling. This is either bussbar, #4, copper strap, or whatever we happened to order for the project - this is insulated from -- in our case concrete -- walls with standoffs. the wallmount half of a "plain old" cast conduit standoff works well, just a "goodly portion" of teflon tape or silcon tape, or even electrical tape around the "halo" wire where it attaches to the standoff. The halo runs the perimeter of the room, at a height a foot or so below the ceiling. For more lightning prone sites, we tie the corners of the halo to another run of strap or #4 to the corner groundrods and bond them for even more protection and lower ground resistance. In most cases a single point that connects to your outside ground "loop" is fine. All our gear, since it is in service 24/7 and must work, is fitted with both a good AC surge suppressor

such as the units  
made by Northern or by Tripplight. All coaxes and other wiring coming into  
the building goes  
through the appropriate PolyPhaser( tm) suppressor. These are available  
for coax in many freq  
ranges, phone line, control lines, etc. ( think about that rotor control  
wire coming into the shack  
attached to that lighting rod up into the air! ) Many of our sites also use  
MOV's mounted in the breaker  
box to each breaker position, and gas-discharge suppressors attached to the  
main.  
One other hint for concrete flooring --- isolate the gear from the  
concrete, as it is quite conductive  
and can provide a path other than the nice time-consuming halo grounding  
system you just installed!  
We put a slice of plywood under our base and repeater stations. Might put  
one under your rack  
if you use rack-mounted stuff. If you have a metal desk mounted on concrete  
floor, get some  
rubber "cups" to go under each leg. The idea is that \*all\* your gear is  
connected to a SINGLE  
common ground.

I am not a salesman for polyphaser, but they make some of the better and  
the most affordable  
lightning protection and grounding devices on the market. Their products  
are available from  
distributors such as Hutton Electronics, Tessco, and other major  
communications distributors.  
More info can be had by going to [www.polyphaser.com](http://www.polyphaser.com).

We have had sites that went out when the weather forecast even hinted at  
lightning that now survive  
anything short of a direct hit, and several that have done that! A direct  
hit is NOT pretty.....

Any other questions, arguments, or rebuttals - email me direct.

73

Tom

-----  
Message-ID: <3587B02A.2E3D395D@gil.com.au>  
Date: Wed, 17 Jun 1998 22:01:47 +1000  
From: Dave Prince <davprin@gil.com.au>

MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Aluminium Corrosion  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Gang,

                  In my military radio collection I have a couple of BC-611 Walkie/talkies and also some British 'Larkspur' equipment that have a white corrosion forming on the aluminium cases. What should I use to neutralize this corrosion prior to repainting. I usually use a phosphoric acid mix on rusty areas of steel but it appears to have no effect on the aluminium corrosion. Thanks,

--

Dave Prince VK4KDP           Brisbane, Queensland, Australia  
davprin@gil.com.au  
<http://www.home.gil.com.au/~davprin>

Collector and restorer of Military Radio, Signalling Equipment and  
WW2 Canadian Military Pattern (CMP) Vehicles.

-----  
Message-ID: <3587A4EB.7ADC@prtc.net>  
Date: Wed, 17 Jun 1998 08:13:47 -0300  
From: laffitte@prtc.net (laffitte)  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: OS8s  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Anchorites!

After working on three different OS8 oscilloscopes, there are a few recommendations to make:

- Replace the Selenium rectifiers. Most have gone bad by now. This step by itself makes a big difference. Do it before replacing anything else.
- After the seleniums, go for all paper and electrolytics caps. The power supply caps are usually ok so go for the ones in the modules.
- DON'T TOUCH any adjustments until caps have been replaced.
- Go over the resistors in the horizontal and vertical sweep circuits. There may be surprises lurking there.



These sturdy little devils work great as audio or IF signal monitors beside an R390A. It looks really neat and at the same time you can get some more information from your signals. So, get that old OS8 out from storage and back to work. It is part of our BA history and you may find it in the R390A maintenance manual as part of the equipment used for calibration.

Best of 73s to all  
Guido KP4FAR  
BA collector in the now very humid and hot tropics  
Puerto Rico, USA

-----  
Message-Id: <9806171256.AA01229@us2rnc.zko.dec.com>  
Date: Wed, 17 Jun 98 08:56:42 EDT  
From: "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENABLE.dec.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: pilant@seesaw.ENABLE.dec.com  
Subject: FS: EICO 360 TV-FM Sweep Signal Generator

Greetings all. I rescued this unit this morning from the trash. It is a bit dirty, the power cord has been cut off, and there appear to be a few chips in the paint on the front panel. (I don't have much more in the way of details...it is out in the parking lot in my car, and I'm not :-)

It is available as is for the cost of packing and shipping from New Hampshire. Anyone interested?

73

- Mark N1VQW

-----  
Date: Wed, 17 Jun 1998 09:36:16 -0400  
From: jkh@lexis-nexis.com (John Heck)  
Message-Id: <199806171336.JAA00480@psc7128.lexis-nexis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Electronics Illustrated Wanted

If anybody out there is sitting on any copies of "Electronics Illustrated" from the 1950's or 1960's, and would wish to sell or trade them, I would be interested in working out a deal. I have a bunch of extra Pop'tronics from the 1960's to swap if you would be interested in additional reading. Thanks.

Regards,  
John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(937)865-7036(work)

jkh@lexis-nexis.com

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Re: Bugle Boys?  
Message-Id: <1998Jun17.100241-0500@spike.vuse.vanderbilt.edu>  
Date: 17 Jun 1998 10:02:40 -0500  
MIME-Version: 1.0

In <199806170523.AAA00755@loki.internettport.net>, Steve wrote:

>Hi There;

> I keep seeing reference to "Bugle Boy" tubes here. Never heard of  
>'em, what are they? Relables of whatever is/was available like the  
>Richardsons?

These were late tubes by Amperex, actually had a picture of a bugle  
kinda thing on the casing. Another one of the audiophool stories,  
these are supposed to be vastly superior ("lifting the veil between  
you and the music, broader, yet more focused soundstage" and the like)  
along with the smooth plate Telefunks. These qualifications make a  
12AX7 cost \$30 each instead of \$5 like they should. Aside from having  
reasonably low microphonics, I can't discriminate between a Bugle Boy  
and a garden-variety RCA with respect to the sound (on a Mac system).

A. B. Bonds

-----  
Date: Wed, 17 Jun 1998 10:46:39 -0500 (CDT)  
From: Bill Hawkins <bill@iaxs.net>  
Message-Id: <199806171546.KAA07301@citrus.iaxs.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Bugle Boys?

>These were late tubes by Amperex, actually had a picture of a bugle  
>kinda thing on the casing.

Actually, a tube blowing a bugle, I think.

Antropologists call this "sympathetic magic" when they find it  
in primitive cultures.

Regards,  
Bill Hawkins

-----  
Message-ID: <07E473510AF0D111ADFA00A0C9B4205226F745@mail1.pica.army.mil>  
From: "Laudon, Kenneth (Kalman) A." <klaudon@pica.army.mil>

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Bugle Boys?  
Date: Wed, 17 Jun 1998 11:57:54 -0400  
MIME-Version: 1.0  
Content-Type: text/plain

The latest research indicates that differing silk screened patterns of logos, markings, etc. on tube surfaces, including base, cause noticeable sonic differences between tubes, and therefore, especially between manufacturers, and even re-branders for the same reason. Physical wave effects are believed responsible for these phenomena, the same mechanism responsible for the operation of SAW devices in the UHF, microwave, and millimeter wave regimes. While the functioning of these devices is highly dependent on achieving of the precise microscopic geometries and dimensions of the resonant structures on the device, without which the device is rendered a mere resistive or conductive structure with no measureable "Q", nevertheless, the subtle sonic effects of the inks on tube exteriors is believed to exist due to binary diffusion of ionic (and some audio researchers even assert, non-ionic organic) species through the glass, metal, and bakelite surfaces towards the tube interior, causing concentration profiles on the interior surfaces which then display the surface physical effects noted. While initial research using the most modern techniques of physical detection of these species (such as SEM, Augat, etc.) in sections of tube walls, base walls, plate caps, etc. has failed to indicate the presence of these structures, research is continuing. Thus, yet another area where the science, tools, and techniques of traditional, analytical science have yet to catch up to what a trained, seasoned listener knows to be true simply because of what he has between his legs, er, ears, tells him to be so.

Time for lunch. 73 de Kalman, W2ES

> In <199806170523.AAA00755@loki.internettport.net>, Steve wrote:  
> >Hi There;  
> > I keep seeing reference to "Bugle Boy" tubes here. Never heard of  
> >'em, what are they? Relables of whatever is/was available like the  
> >Richardsons?  
>  
> These were late tubes by Amperex, actually had a picture of a bugle  
> kinda thing on the casing. Another one of the audiophool stories,  
> these are supposed to be vastly superior ("lifting the veil between  
> you and the music, broader, yet more focused soundstage" and the like)  
> along with the smooth plate Telefunkens. These qualifications make a  
> 12AX7 cost \$30 each instead of \$5 like they should. Aside from having  
> reasonably low microphonics, I can't discriminate between a Bugle Boy  
> and a garden-variety RCA with respect to the sound (on a Mac system).  
>  
> A. B. Bonds

>

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Drake SF4 -- Howzit work?  
Message-Id: <1998Jun17.111430-0500@spike.vuse.vanderbilt.edu>  
Date: 17 Jun 1998 11:14:29 -0500  
MIME-Version: 1.0

Thrilled as I am over the good manners of my Drake rx's, I'd like to forge out into new territories. Well, one can get a whole mess o' rocks, or... there is the SF4, which (as I understand it) provided a synthesized base for R-series rx's from 1.5-30 Mc. I have been to the virtual museum and gotten the schematic, and it appears that the SF4 is coupled via the injection port. This puzzles me a little, in that I thought the injection was the output of the pre-mixer (including the VFO), but that the SF4 used the rx VFO and only set the 500 kHz bands.

Bottom line: What signal does the SF4 make (as a function of band setting), how big is it and where does it get stuck in?

See, I don' wanna pay for an SF4, them bein' kind of rare, and maybe one could cobble up a usable substitute from parts off a 386 mother board....

A. B. Bonds

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Whoops! That's FS4, not SF..  
Message-Id: <1998Jun17.112448-0500@spike.vuse.vanderbilt.edu>  
Date: 17 Jun 1998 11:24:47 -0500  
MIME-Version: 1.0

Oh, never mind. Dyslexic fingers. I meant FS4, not SF4 with regard to the Drake Frequency Synthesizer...

A. B. Bonds

-----  
Content-return: allowed  
Date: Wed, 17 Jun 1998 12:00:00 -0400  
From: "Owens, Clarence" <owensc@nebeng.otis.com>  
Subject: Re: Bugle Boys?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0EUPDT05W00HQ7@mailman.otis.com>

Hi All,

Shouldnt it be more like "Bugle Tube", or maybe "Trumpet Tube"? My recollection is that the little picture is of a miniature tube playing a trumpet... Ah well, Why have an accurate name for a legend anyway. I have a few used ones stashed away... used 'em in the 60's since they were much less microphonic than the standard 12AX7's. Guess I'll hang onto them in case I ever run into one of those Garage Sale Macs :-)

73,

Clare Owens N2RJB  
owensc@nebeng.otis.com

-----  
From: A. B. Bonds  
To: Old Tube Radios  
Subject: Re: Bugle Boys?  
Date: Wednesday, June 17, 1998 11:02AM

In <199806170523.AAA00755@loki.internettport.net>, Steve wrote:  
>Hi There;  
> I keep seeing reference to "Bugle Boy" tubes here. Never heard of  
>'em, what are they? Relables of whatever is/was available like the  
>Richardsons?

These were late tubes by Amperex, actually had a picture of a bugle kinda thing on the casing. Another one of the audiophool stories, these are supposed to be vastly superior ("lifting the veil between you and the music, broader, yet more focused soundstage" and the like) along with the smooth plate Telefunks. These qualifications make a 12AX7 cost \$30 each instead of \$5 like they should. Aside from having reasonably low microphonics, I can't discriminate between a Bugle Boy and a garden-variety RCA with respect to the sound (on a Mac system).

A. B. Bonds

-----  
Message-ID: <358828F6.1E6B@erols.com>  
Date: Wed, 17 Jun 1998 13:37:10 -0700  
From: philip mccoey <dgnova@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re OSC on low side  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have noticed that the receivers with the OSC on low side, tend to use a single tube converter with inner grid injection for

example:

NC-57, S20,S40 HQ-120, HQ129

whereas receivers with pentode mixers, HRO, RME-69 have the OSC on high side.

European members might comment on sets using the ECH-3, ECH-39 where injection is outer grid

-----  
Date: Wed, 17 Jun 1998 13:39:55 -0700  
From: lema <lema@InfoAve.Net>  
Subject: FS T-368 Exciter  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <3588299B.506@infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I have a T-368 Exciter for sale. It is very nice looking unit, works great and comes with paperwork.

\$60.00 plus shipping from 28462

Thanks  
Tom K4JYH

-----  
Date: Wed, 17 Jun 1998 10:33:58 PDT  
From: "Schroeder,Russell G" <Russell\_Schroeder@xn.xerox.com>  
Subject: Eico 950B Info Requested  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Schroeder,Russell G" <Russell\_Schroeder@xn.xerox.com>  
Message-id: <840088358190677C840088358190677C#064#X-WB-0207-MS2.XN@SMF>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Hollowstaters,

Picked up a Eico Model 950B Resistance-Capacitance-Comparator Bridge at the Rochester (NY) hamfest several weeks ago. Replaced the leaky caps (all) and started testing. For a realitively simple circuit, it refuses to work. Anyone have a schematic or better yet a copy of the manual? Thanks in advance.

73 Russ W2DYY

Russell\_Schroeder@xn.xerox.com

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 17 Jun 1998 13:35:28 CDT  
Subject: WTB MIL PE-120 PS  
Message-ID: <19980617.133547.3502.1.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

Need the above power supply for an associate. HEY dick out there? 73  
jack  
Jack Iverson K0EWU jackiv@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 17 Jun 1998 13:30:56 CDT  
Subject: WTB SAM'S AR BOOKS  
Message-ID: <19980617.133547.3502.0.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

HI I need sams AR 9, 10, and 12. Have many of the numbers in the 100 and  
200 series to swap or ?? tn timer jack  
Jack Iverson K0EWU jackiv@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 17 Jun 1998 14:55:31 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Eddystone 1002/1 FS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199806171455\_MC2-4089-D3EA@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Eddystone 1002/1 receiver, =

(Osterman "SW Receivers Past & Present" 3rd ed, p112)

working, in fair condx. 12v only (no ac psu inside). Slight =

damage to one of the handles, small smudge on left front.

80.00 Pound Sterling, plus postage if needed.

Ben G4BXD

----- =  
-----  
Date: Wed, 17 Jun 1998 14:55:34 -0400  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: German spy set find  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199806171456\_MC2-4089-D3EF@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

I recently picked up the following which I thought might interest a few:=

Housed in a suitcase similar size to the Mk III No2 (B2) the set is light=

blue grey in colour, three units, psu, tx and rx. The psu runs along the  
back of the case nearly the full width of the suitcase. RX is at the fron=

t  
left, tx front right. Both are vfo controlled, no xtal socket on tx. No  
switch marked rx/tx but rx has OFF/Vol knob and Regen knob, tx has On/off=

,  
PA tune knob and lever in centre marked 1 & 2. There is a small row of  
sockets on top edge of tx, I guess at aerial taps ? No dates evident, jus=

t  
the number 300 on each unit (serial number?). The tuning dials are not  
frequency calibrated, reading 0-180.

The valves, 3 in rx, 2 in tx, 2 in psu, the rx is an E90 and the tx an  
S90/40. The headphones are marked "MEMBRA" and the "Maus" or mouse key is=

with the set. =

A real interesting find which I will have on the air whenever I can..



Ben G4BXD

-----  
Military Radio Collector, Historian and Operator

-----  
Date: Wed, 17 Jun 1998 15:49:41 -0700  
From: lema <lema@InfoAve.Net>  
Subject: RE T368 exciter for sale  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <35884805.10B7@infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

The T-368 exciter has sold. Thanks to all who inquired.]

Tom K4JYH

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: RE: Simpson 260  
Message-Id: <1998Jun17.150618-0500@spike.vuse.vanderbilt.edu>  
Date: 17 Jun 1998 15:06:17 -0500  
MIME-Version: 1.0

In <358820D5@rnmsmail.bally.com>, Mark Pipes wrote:

>  
>They are about \$200. new, I'd go for it.  
>  
> -----  
  
>  
>Could someone tell me if \$80.00 is a fair price for a new in box,  
>military  
>surplus with manual and probes 260. I found one and that is what the guy  
>wants for it. I'd like it, but don't know what they go for.  
>  
>Thanks for reading,  
>Keith, KK5FE  
>

Be aware that Fair is selling Brand New 260s without probes or case  
back (you can use an old one) for \$45.

A. B. Bonds

-----

To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Frequency synthesis.....hmmmmmm  
Message-Id: <1998Jun17.151430-0500@spike.vuse.vanderbilt.edu>  
Date: 17 Jun 1998 15:14:26 -0500  
MIME-Version: 1.0

Thanks to the kind folk who described the FS4 (that's FS) I have the picture of the approach, which is not terribly complicated. The FS4 sends a signal into an accessory crystal socket. That being the case, one must assume that it simply manufactures the base band + 11.1 Mc.

Next step is figuring out a cheap and dirty way to do this. A search on the web found that there are lots of frequency synthesizer chips out there, but most use a serial data input demanding a microprocessor source (or at least a nasty bunch of shift registers). However, there is the Motorola MC145151-2, which uses parallel data input (simple switching). The down side of this one is that it needs an external VFO and LP filter, but at least it comes in a DIP instead of that pesky surface mount stuff.

Before I re-invent the wheel, I'd like to ask the collective group if there is knowledge of articles on frequency synthesizer construction for amateur radio applications. The requirement is simple, something like 12.6 to 41.1 Mc in 500 Kc increments.

And before Jack throws me out, this is for a DRAKE 4-series rx....

73            A. B. Bonds

-----  
From: Norm Flasch <flasch@cushy.ece.nwu.edu>  
Message-Id: <199806172054.PAA01200@cushy.ece.nwu.edu>  
Subject: Re: ::: QUESTION ABOUT THE OLD ALLIED RADIO :::  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 17 Jun 1998 15:54:38 -0500 (CDT)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Speaking of BA stores along Western Ave. There were at least two surplus stores north of Allied and Olson on Western Avenue. One was known as "Sam's" named after the guy who owned it. It was as I recall, on a NW corner of Western and maybe on the L tracks. Actually one of our parents would take us there. So we're talking early teens here. Late '50's. Sam's had alot of neat surplus military electronic gear at very reasonable prices. Those were fun times. We picked up alot of bargains there. There was also another surplus store furthur

north on the east side of Western. But, they did not have the selection that Sam had.

These were of course in addition to the great surplus stores around 2400 S. Michigan Ave.

I too recall Allied's warehouse outlet on Washington. I was there once probably in the mid 60's. At the time they had mostly tube type audio gear (trade-ins) at what would now be considered give away prices.

> Hi all,  
> Been following thread and I wonder if anyone remembers that another  
> large electronics store was across the street from Allied. Also,  
> Allied had a outlet store which I beleive was on Washington Blvd, I do  
>

--  
Norm Flasch                    flasch@ece.nwu.edu                    Northwestern University  
                                 Electrical and Computer Engineering

-----  
Message-ID: <35884C34.D2CEFB59@pacbell.net>  
Date: Wed, 17 Jun 1998 16:07:33 -0700  
From: Doug Gordon <dmgordon@pacbell.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Simpson 260  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A. B. Bonds wrote:

> In <358820D5@rnmsmail.bally.com>, Mark Pipes wrote:  
>  
> Be aware that Fair is selling Brand New 260s without probes or case  
> back (you can use an old one) for \$45.

Not any more...They're all gone!!! Boy they were nice. Sorry if you didn't get one. :-)

73, Doug K6AKK

-----  
Message-ID: <006b01bd9a56\$24742ba0\$0501a8c0@dobench.netusa1.net>

From: "Doug Obenchain" <dobencha@netusa1.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: D & A pdx-400  
Date: Wed, 17 Jun 1998 20:12:17 -0500

Looking for information on a:  
D & A pdx-400 Amateur 20 Meter CW Transmitter.  
this was made in Scottsbluff, Nebraska.

I ran accross this unit and was wondering if anybody had ever had any  
experiance with one. The person that still owns this used it for a CB  
amplifier. I am evaluating it for poss purchase. Any information would be  
helpful.

Thanks & 73's  
#####  
Doug Obenchain KB9RY0  
Kokomo, Indiana, USA  
#####

-----  
Message-Id: <3.0.32.19980617205857.0082a100@mail.wt.net>  
Date: Wed, 17 Jun 1998 20:58:59 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Benjamin D. Hall" <kd5byb@WT.NET>  
Subject: twist lock plugs  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone have a good, inexpensive source for the twist-lock plugs commonly  
found on Nems-Clarke, Panoramic, and some military gear, like the BC-1031-C  
panadaptor?

These plugs are used to supply AC power, have receptacles for two locking  
prongs and a round center pin. They are just over 1 inch in diameter. The  
cord I have here, that is acting as the template for the four or five  
others I need to make, has a plug made by Hubbell. Unfortunately,  
Hubbell's website is so gosh-darn confusing I cannot find anything about  
what I need, or where to buy it.

Thanks and 73,  
Ben  
---

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.  
Located in Houston, Texas, USA.  
e-mail: kd5byb@WT.net, web: \*\*\*down for refurbishment\*\*\*  
"An ye harm none, do what ye will."

-----  
Date: Wed, 17 Jun 1998 22:05:05 -0400  
From: don merz <71333.144@compuserve.com>  
Subject: Old Heath Receipt  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199806172207\_MC2-407E-1B3B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Hi. Recently I purchased a BC-375 through the list (thanks Doug!). It came with a receipt from the "Heath Company" indicating that the original owner had paid a whopping \$5.95 for it on July 3, 1948. The Heath receipt has the really old "HC" in a shield logo.

As I read Chuck Penson's book, this is less than a year after Heath started selling surplus and before they started selling kits. I am curious to know if anyone on the list has a Heath receipt with an older date. If so, tell us what it's for.

73, Don

-----  
End of BOATANCHORS Digest 2095  
\*\*\*\*\*